

[Date of request for examination] 21.04.2004

[Date of sending the examiner's
decision of rejection]

[Kind of final disposal of application
other than the examiner's decision of
rejection or application converted
registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

Copyright (C); 1998,2003 Japan Patent Office

17.

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2004-077658

(43)Date of publication of application : 11.03.2004

(51)Int.Cl. G02B 6/38

(21)Application number : 2002-235859 (71)Applicant : NIPPON TELEGR &

TELEPH CORP
<NTT>

(22)Date of filing :

13.08.2002

(72)Inventor : TAKATANI

MASAAKI

SHIBATA KOJI

KUROKAWA KENJI

HOKARI KAZUO

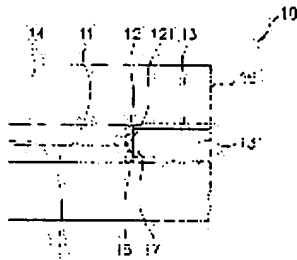
(54) OPTICAL CONNECTOR

(57)Abstract:

PROBLEM TO BE SOLVED: To realize an optical connector which can be used for splicing of single mode optical fibers for high power transmission.

SOLUTION: A connection part 10 wherein a plurality of grated index optical fibers 12 and 13 having different core diameters are arranged in the ascending order of core diameter from the front end of the single mode optical fiber 11 toward the connection end face 15 is provided between the front end of a single mode optical fiber 11 and a connection end face 15, and thus a spot size on the connection

end face 15 is enlarged, and optical power per unit area is reduced, and a high power optical signal (or exciting light) can be propagated.



LEGAL STATUS

[Date of request for examination] 13.07.2004

[Date of sending the examiner's
decision of rejection]

[Kind of final disposal of application
other than the examiner's decision of
rejection or application converted]